

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
11 March 2004 (11.03.2004)

PCT

(10) International Publication Number  
WO 2004/019812 A3

(51) International Patent Classification<sup>7</sup>: A61B 19/00

(21) International Application Number: PCT/US2003/027023

(22) International Filing Date: 30 August 2003 (30.08.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/407,035 30 August 2002 (30.08.2002) US  
60/320,025 19 March 2003 (19.03.2003) US

(71) Applicant (for all designated States except US): PROGRESSIVE GAITWAYS, LLC. [US/US]; 536 Society Drive, Telluride, CO 81435-8902 (US).

(71) Applicant and  
(72) Inventor: TAYLOR, Beverly, Cusick [US/US]; 536 Society Drive, Telluride, CO 81435-8902 (US).

(74) Agent: MACHELEDT, Jean, M.; Macheledt Bales LLP, 501 Skysail Lane, Suite B100, Fort Collins, CO 80525-3133 (US).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:  
1 July 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ELASTICIZED GARMENT AND STRAPPING SYSTEM TO AID IN BODY MOBILITY SUPPORT AND MAINTENANCE

© 2001 - Beverly Cusick, PT, MS



(57) Abstract: A therapeutic garment system for use on a mammalian body, and associated method of donning, whereby the garments are adapted for donning and releasably securing in a close-fitting fashion so that a plurality of elasticized pieces may be releasably applied, utilizing fasteners, against an outwardly facing surface of at least one-and more often two-of the garments in an operative therapeutic configuration. At least one elasticized garment is included for donning around an area of a torso such as the upper-torso, lower-torso, or full-torso area; a second elasticized garment is included for donning and releasably securing in a close-fitting fashion around a portion of the body, *other than* that around which the first garment will (or has been) be donned. In addition to an outwardly facing surface adapted for accepting releasable fasteners, each garment has an under-layer with an inwardly facing surface to resist slippage. A wide variety of operative therapeutic configurations are available to one donning garment system components, including those that address generally targeted objectives.

WO 2004/019812 A3

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/27023

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61B 19/00  
 US CL : 128/869, 874; 2/69

According to International Patent Classification (IPC) to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 128/869, 874; 2/69

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,274,852 A (HOGAN) 04 January 1994 (04.01.1994), See entire document.	1-19
X	US 5,891,187 A (WINTHROP et al) 06 April 1999 (06.04.1999), See entire document.	1-19
A	US 6,440,159 B1 (EDWARDS et al) 27 August 2002 (27.08.2002), See entire document.	1-19
A	US 5,376,130 A (COURTNEY) 27 December 1994 (27.12.1994), See entire document	1-19
A	US 5,902,261 A (SCHWARTZ) 11 May 1999 (11.05.1999), See entire document.	1-19
A	US 3,559,654 A (POPE, Jr.) 02 February 1971 (02.02.1971), See entire document.	1-19
A	US 4,917,109 A (RUGE) 17 April 1990 (17.04.1990), See entire document.	1-19

Further documents are listed in the continuation of Box C.  See patent family annex.

* Special categories of cited documents:		
"A" document defining the general state of the art which is not considered to be of particular relevance	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent published on or after the international filing date	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&"	document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search	Date of mailing of the international search report
29 April 2004 (29.04.2004)	24 MAY 2004
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703)305-3230	Authorized officer <i>Sharon M. Greene, Jr.</i> Henry A. Bennett Telephone No. 703-308-1148

Form PCT/ISA/210 (second sheet) (July 1998)

BEST AVAILABLE COPY